

# Converting Colors

XYZ(73.6796, 79.7855, 44.8279)

Have a look what the booklet for  
XYZ(73.6796, 79.7855, 44.8279)  
contains.

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# Color

**XYZ(73.6325, 79.6464,  
44.7501)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E7A0
RGB	248, 231, 160
RGB Percent	97%, 91%, 63%
CMY	0.0275, 0.0941, 0.3725
CMYK	0.00, 0.07, 0.35, 0.03
HSL	48°, 86%, 80%
HSV	48°, 35%, 97%
XYZ	73.6325, 79.6464, 44.7501
YIQ	227.9890, 32.9230, -18.4770

# Conversions

## Conversions Part 2

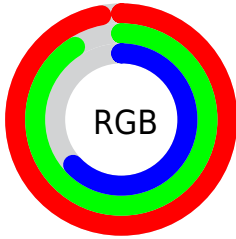
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 248, 160
Decimal	16312224
CIE <sub>Lab</sub>	91.53, -4.26, 36.69
CIE <sub>LCh</sub>	92, 36.937, 96.625
Yxy	79.6464, 0.3718, 0.4022
Android (android.graphics.Color)	4294502304 (0xFFF8E7A0)
YUV	227.9890, -33.5186, 17.5496
Hunter-Lab	89.2448, -8.9049, 32.7416

# Details

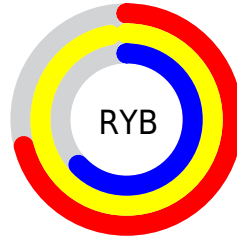
The XYZ color **73.6325, 79.6464, 44.7501** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.1622, 45.6938, 95.1411**, and the grayscale version is **73.9571, 77.8086, 84.7336**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **39.4673, 43.0805, 20.4226** is the 20% darker color. If you saturate the color by 10%, you get **70.3543, 76.2224, 34.0007**, and if you desaturate by 10%, it is **77.3842, 83.3242, 57.7941**.

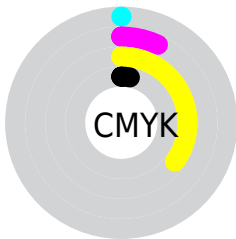
# Distribution



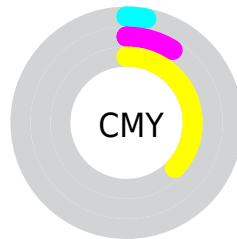
- Red (97%)
- Green (91%)
- Blue (63%)



- Red (71%)
- Yellow (97%)
- Blue (63%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (3%)




- Cyan (3%)
- Magenta (9%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6325, 79.6464, 44.7501 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.6325, 79.6464, 44.7501 by changing the saturation by 10% instead.




 73.6325, 79.6464,  
44.7501


 73.6325, 79.6464,  
44.7501


462.2740,  
493.7404, 381.8911

 54.7835, 59.4274,  
30.9191


 123.3730,  
132.8685, 83.6598

 39.4616, 42.9573,  
20.2793


 154.9953,  
166.6404, 109.5755

 27.3013, 29.8516,  
12.4122


191.6060,  
205.6987, 140.3566

 17.9374, 19.7260,  
6.8991

233.5705,  
250.4278, 176.4216

 11.0045, 12.1960,  
3.3216

281.2542,  
301.2121, 218.1890

 6.1372, 6.8773,  
1.2611

335.0225,

 2.9701, 3.3855,

358.4361, 266.0773

0.0296

395.2406,  
422.4840, 320.5052

■ 1.1380, 1.3361,  
0.0000

■ 0.0565, 0.1689,  
0.0000

■ 73.6325, 79.6464,  
44.7501

■ 73.6325, 79.6464,  
44.7501

■ 70.3543, 76.2224,  
34.0007

■ 77.3842, 83.3242,  
57.7941

■ 67.5174, 73.0302,  
25.4046

■ 81.6273, 87.2549,  
73.2529

■ 65.0950, 70.0616,  
18.8127

■ 86.3863, 91.4516,  
91.2441

■ 63.0543, 67.3030,  
14.0545

■ 90.9978, 95.6493,  
108.2738

■ 61.3573, 64.7387,  
10.9312

■ 92.5063, 98.6662,  
108.7766

■ 59.9572, 62.3495,  
9.1974

■ 92.5214, 98.6965,  
108.7817

■ 59.3907, 61.3150,  
8.7047

# Harmonies

## Analogous

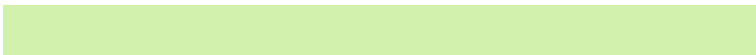
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1119, 79.6464, 47.3117



73.6325, 79.6464, 44.7501



65.4091, 79.6464, 51.4180

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6325, 79.6464, 44.7501



62.0850, 79.6464, 121.4665



93.5606, 79.6464, 108.9555

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.6325, 79.6464, 44.7501



47.1622, 45.6938, 95.1411

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0207, 79.6464, 135.3290



73.6325, 79.6464, 44.7501



68.7453, 79.6464, 143.5352

# Square

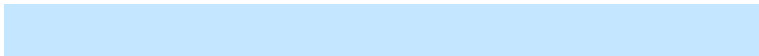
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6325, 79.6464, 44.7501



59.1086, 79.6464, 92.8402



77.8089, 79.6464, 149.0733



95.1409, 79.6464, 80.8775

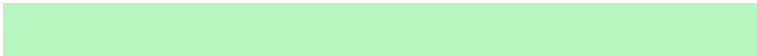


# Rectangle

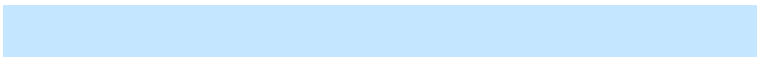
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.6325, 79.6464, 44.7501



61.5705, 79.6464, 61.2172



77.8089, 79.6464, 149.0733



91.8444, 79.6464, 118.4766

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.6345, 79.6500, 44.7518



89.1544, 94.9157, 86.2585



59.2786, 48.2972, 48.1081



18.9374, 20.1870, 17.9156



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6345, 79.6500, 44.7518



75.7509, 82.0612, 38.7767



69.9148, 85.1396, 46.0074



18.4258, 19.5875, 18.2720



32.1823, 33.3213, 4.7355



3.0511, 3.2271, 0.4621



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.1622, 45.6938, 95.1411



43.5207, 40.7353, 100.1766



49.8619, 42.4092, 94.3648



16.5543, 17.1854, 21.8299



9.7971, 4.9497, 48.4126

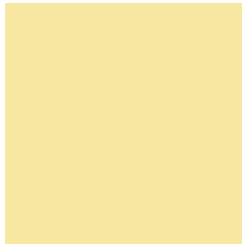


0.9770, 0.5976, 4.5070



# Previews

## White Background



This preview shows how the XYZ color 73.6325, 79.6464, 44.7501 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6325, 79.6464, 44.7501 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

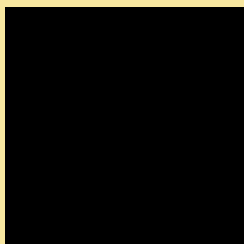
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.6325, 79.6464, 44.7501**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6325, 79.6464, 44.7501.



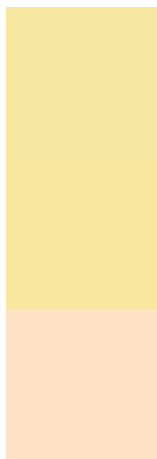
This preview shows how white text looks on a background with the XYZ color 73.6325, 79.6464,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.6325, 79.6464, 44.7501

### Protanopia

73.9880, 79.8296, 44.7668

### Deuteranopia

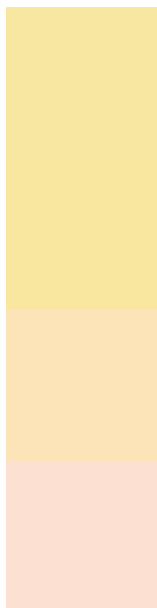
78.6294, 79.7299, 64.6713



## Tritanopia

82.7939, 79.6756, 91.9041

# Trichromacy



## Original Color

73.6325, 79.6464, 44.7501

## Protanomaly

73.9880, 79.8296, 44.7668

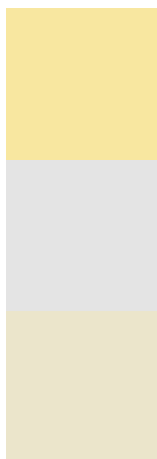
## Deuteranomaly

76.5400, 79.6429, 56.6859

## Tritanomaly

78.7030, 79.1990, 72.1116

# Monochromacy



## Original Color

73.6325, 79.6464, 44.7501

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.0598, 78.0126, 67.7072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6325, 79.6464, 44.7501 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(248, 231, 160)` looks like.

```
.text, #text, p{  
    color:rgb(248, 231, 160)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(248, 231, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 231, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6325, 79.6464, 44.7501 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(248, 231, 160) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(248, 231, 160) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(248, 231, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 231, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 231, 160);  
box-shadow:4px 4px 4px 4px rgb(248, 231,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6325, 79.6464, 44.7501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 231, 160) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(248,  
231, 160) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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